

### **ABSTRACT OF THE DISCLOSURE**

Disclosed is a positive active material for a rechargeable lithium battery.

The positive active material includes a core and a surface-treatment layer on the core. The core includes at least one lithiated compound and the surface-

5 treatment layer includes at least one coating material selected from the group consisting of coating element included-hydroxides, oxyhydroxides, oxycarbonates, hydroxycarbonates and any mixture thereof.